SUMMARY OF WATER CONDITIONS
April 1, 2002

Although statewide precipitation was less than average for the month, March precipitation and snowpack accumulation were near normal for the month in most of the Sierra Nevada. Runoff forecasts overall were only slightly reduced from those of a month ago, with some small increases on several central Sierran rivers. Although below average, the water supply outlook is much better than last year except in the south. Most users should have adequate supplies in 2002. Major Delta export supplies, however, will still be curtailed.

Forecasts of April through July runoff remain at 80 percent of average overall with lower percentages in the south. Water year forecasts are also at 80 percent of average, but are still higher than the 50 percent actual runoff last year.

Snowpack water content is about 95 percent of average for April 1, the same percent of average as last month. Last year the snowpack was 60 percent of average. The pack peaked on March 25 in most areas; warm sunny weather during the last week of March began the melt.

Precipitation during March was about 70 percent of average statewide. The precipitation since October 1 has been about 85 percent of average, ranging from near normal in the north to very dry in Southern California. Last year seasonal precipitation was 75 percent of average.

Runoff so far this season is about 80 percent of average statewide, nearly double the 45 percent recorded in 2001. March runoff was about 60 of average. Estimated runoff of the 8 major rivers of the Sacramento and San Joaquin River regions was 2.3 million acre−feet in March.

Reservoir Storage increased during the month at an average pace as major reservoir operators stored all the runoff available. Storage is about 100 percent of average for the date overall; the volume is slightly less than the total last year.

SUMMARY OF WATER CONDITIONS
IN PERCENT OF AVERAGE

HYDROLOGIC REGION	PRECIPITATION OCTOBER 1 TO DATE	April 1 SNOW WATER CONTENT	April 1 RESERVOIR STORAGE	RUNOFF OCTOBER 1 TO DATE	APR−JULY RUNOFF FORECAST	WATER YEAR RUNOFF FORECAST
NORTH COAST	100	105	95	85	95	95
SAN FRANCISCO BAY	110	−−	95	90	−−	−−
CENTRAL COAST	75	−−	105	35	−−	−−
SOUTH COAST	30	−−	85	10	−−	−−
SACRAMENTO RIVER	100	100	100	80	80	80
SAN JOAQUIN RIVER	90	90	105	65	80	70
TULARE LAKE	85	80	80	65	70	70
NORTH LAHONTAN	90	90	60	60	80	75
SOUTH LAHONTAN	25	75	105	95	75	75
COLORADO RIVER−DESERT	5	−−	−−	−−	−−	−−
STATEWIDE	85	95	100	80	80	80

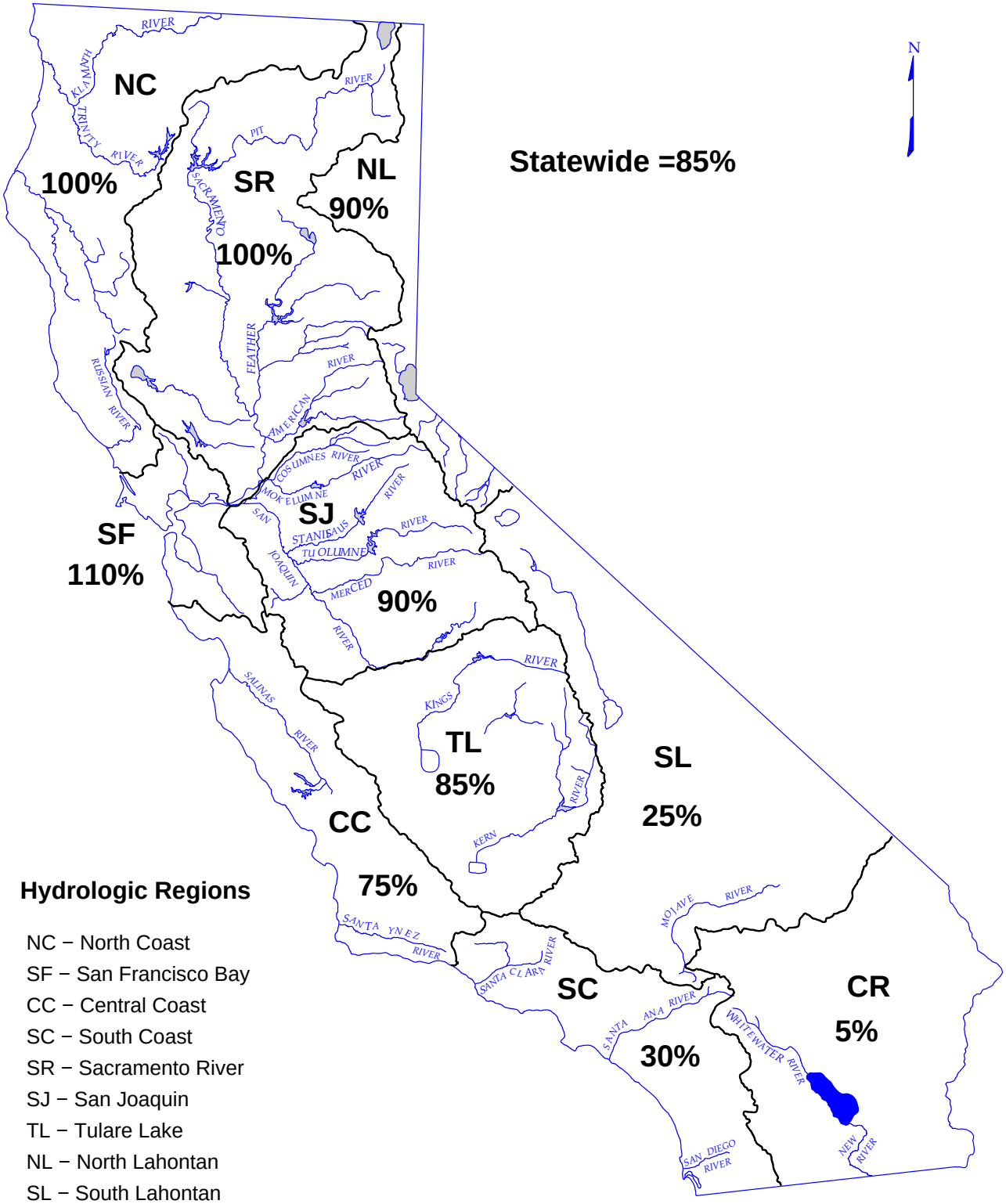
DEPARTMENT OF WATER RESOURCES

CALIFORNIA COOPERATIVE SNOW SURVEYS

SEASONAL PRECIPITATION

IN PERCENT OF AVERAGE TO DATE

October 1, 2001 through March 31, 2002

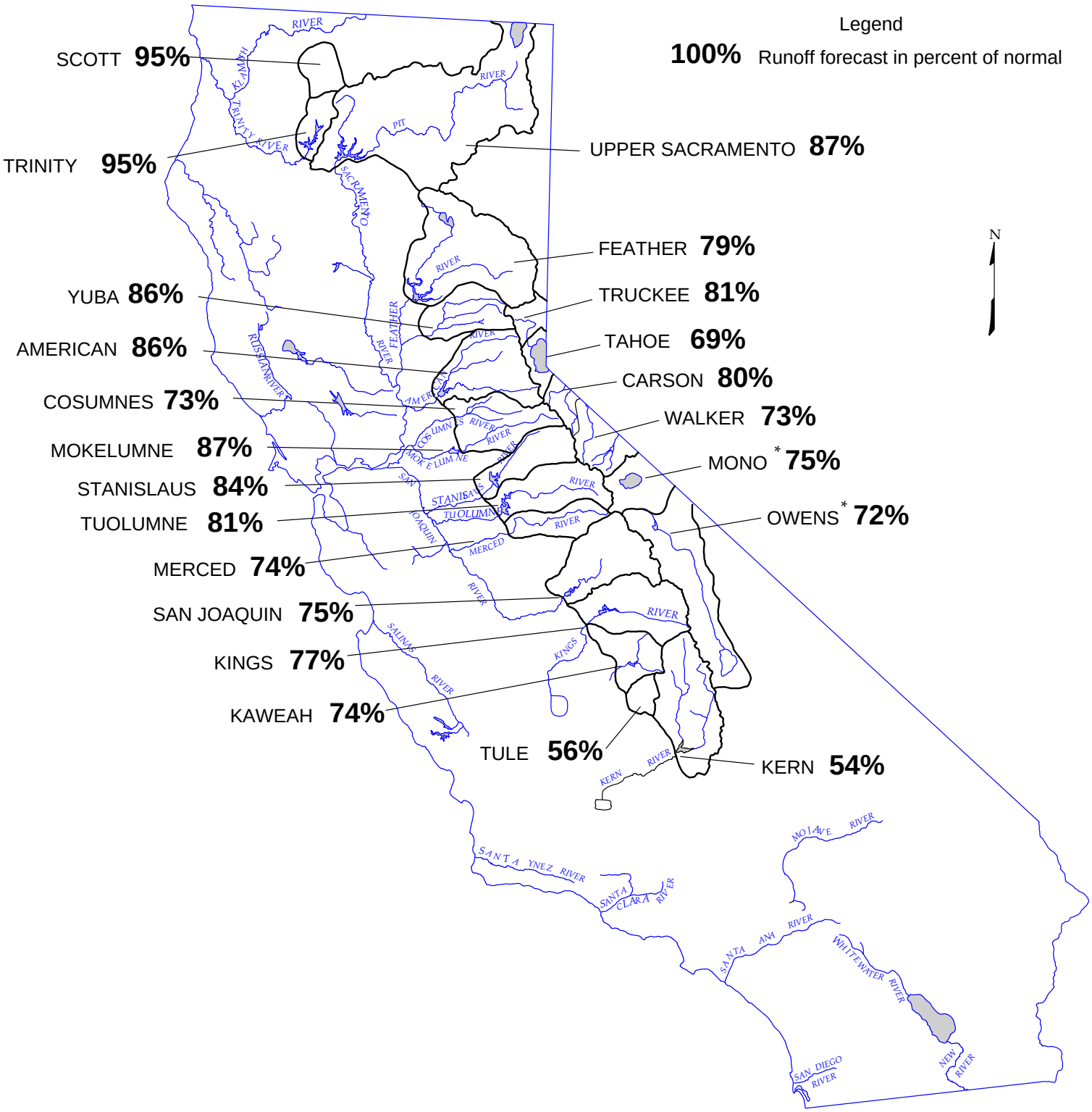


Hydrologic Regions

NC − North Coast
SF − San Francisco Bay
CC − Central Coast
SC − South Coast
SR − Sacramento River
SJ − San Joaquin
TL − Tulare Lake
NL − North Lahontan
SL − South Lahontan
CR − Colorado River−Desert

WATER YEAR IS OCTOBER 1 THROUGH SEPTEMBER 30

DEPARTMENT OF WATER RESOURCES
CALIFORNIA COOPERATIVE SNOW SURVEYS
FORECAST OF APRIL – JULY
UNIMPAIRED SNOWMELT RUNOFF
April 1, 2002



* FORECAST BY DEPARTMENT OF WATER AND POWER, CITY OF LOS ANGELES

APRIL 1, 2002 FORECASTS
APRIL-JULY UNIMPAIRED RUNOFF

HYDROLOGIC REGION and Watershed	Unimpaired Runoff in 1,000 Acre-Feet (1) HISTORICAL 50 Yr Avg (2)	Max of Record	Min of Record	FORECAST Apr-Jul Forecasts	Pct of Avg	80 % Probability Range (1)
SACRAMENTO RIVER						
Upper Sacramento River						
Sacramento River at Delta above Shasta Lake (3)	299	711	39	260	87%	
McCloud River above Shasta Lake	400	850	185	360	90%	
Pit River near Montgomery Creek + Squaw Creek	1,090	2,098	480	900	83%	
Total Inflow to Shasta Lake	1,849	3,525	726	**1,600**	87%	1,240 - 2,240
Sacramento River above Bend Bridge, near Red Bluff	2,521	5,075	943	**2,050**	81%	1,530 - 2,980
Feather River						
Feather River at Lake Almanor near Prattville (3)	333	675	120	270	81%	
North Fork at Pulga (3)	1,028	2,416	243	810	79%	
Middle Fork near Clio (4)	86	518	4	65	76%	
South Fork at Ponderosa Dam (3)	110	267	13	80	73%	
Feather River at Oroville	1,870	4,676	392	**1,470**	79%	1,130 - 2,170
Yuba River						
North Yuba below Goodyears Bar (3)	286	647	51	240	84%	
Inflow to Jackson Mdws and Bowman Reservoirs (3)	112	236	25	95	85%	
South Yuba at Langs Crossing (3)	233	481	57	190	82%	
Yuba River near Smartville plus Deer Creek	1,044	2,424	200	**900**	86%	700 - 1,280
American River						
North Fork at North Fork Dam (3)	262	716	43	220	84%	
Middle Fork near Auburn (3)	522	1,406	100	450	86%	
Silver Creek Below Camino Diversion Dam (3)	173	386	37	150	87%	
American River below Folsom Lake	1,282	3,074	229	**1,100**	86%	880 - 1,580
SAN JOAQUIN RIVER						
Cosumnes River at Michigan Bar	130	363	8	**95**	73%	55 - 165
Mokelumne River						
North Fork near West Point (5)	437	829	104	370	85%	
Total Inflow to Pardee Reservoir	469	1,065	102	**410**	87%	340 - 540
Stanislaus River						
Middle Fork below Beardsley Dam (3)	334	702	64	280	84%	
North Fork Inflow to McKays Point Dam (3)	224	503	34	180	80%	
Stanislaus River below Goodwin Reservoir (7)	716	1,710	116	**600**	84%	490 - 810
Tuolumne River						
Cherry Creek & Eleanor Creek near Hetch Hetchy (3)	322	727	97	250	78%	
Tuolumme River near Hetch Hetchy (3)	606	1,392	153	500	83%	
Tuolumne River below La Grange Reservoir (7)	1,230	2,682	301	**1,000**	81%	850 - 1,280
Merced River						
Merced River at Pohono Bridge (3)	362	888	80	270	75%	
Merced River below Merced Falls (7)	633	1,587	123	**470**	74%	390 - 650
San Joaquin River						
San Joaquin River at Mammoth Pool (6)	1,014	2,279	235	770	76%	
Big Creek below Huntington Lake (6)	95	264	11	70	74%	
South Fork near Florence Lake (6)	202	511	58	160	79%	
San Joaquin River below Millerton Lake	1,262	3,355	262	**950**	75%	780 - 1,200
TULARE LAKE						
Kings River						
North Fork Kings River near Cliff Camp (3)	239	565	50	180	75%	
Kings River below Pine Flat Reservoir	1,234	3,113	274	**950**	77%	790 - 1,170
Kaweah River below Terminus Reservoir	290	814	62	**215**	74%	170 - 295
Tule River below Lake Success	65	259	2	**36**	56%	26 - 62
Kern River						
Kern River near Kernville (3)	373	1,203	83	210	56%	
Kern River inflow to Lake Isabella	470	1,657	84	**255**	54%	200 - 370

(1) See inside back cover for definition
(2) All 50 year averages are based on years 1951-2000 unless otherwise noted
(3) 50 year average based on years 1941-90
(4) 44 year average based on years 1936-79
(5) 36 year average based on years 1936-72
(6) 45 year average based on years 1936-81

APRIL 1, 2002 FORECASTS
WATER YEAR UNIMPAIRED RUNOFF

Unimpaired Runoff in 1,000 Acre-Feet (1)														
HISTORICAL			**DISTRIBUTION**								**FORECAST**			
50 Yr Avg (2)	Max of Record	Min of Record	Oct Thru Jan*	Feb *	Mar *	Apr	May	Jun	Jul	Aug & Sep	Water Year Forecasts	Pct of Avg	80 % Probability Range (1)	
888	1,965	165												
1,234	2,353	557												
3,217	5,150	1,484												
6,194	10,796	2,479	2,275	520	575	620	460	280	240	450	**5,420**	87%	4,990	- 6,130
8,990	17,180	3,294	3,835	810	830	800	590	360	300	545	**8,070**	90%	7,450	- 9,110
780	1,269	366												
2,417	4,400	666												
219	637	24												
291	562	32												
4,775	9,492	994	1,090	305	445	630	500	220	120	170	**3,480**	73%	3,120	- 4,230
564	1,056	102												
181	292	30												
379	565	98												
2,459	4,926	369	495	170	280	355	370	140	35	35	**1,880**	76%	1,670	- 2,280
616	1,234	66												
1,070	2,575	144												
318	705	59												
2,830	6,382	349	470	220	355	430	460	170	40	25	**2,170**	77%	1,940	- 2,670
409	1,253	20	59	32	60	55	30	8	2	1	**247**	60%	205	- 320
626	1,009	197												
774	1,800	129	85	40	65	130	190	80	10	5	**605**	78%	530	- 740
471	929	88												
1,196	2,952	155	145	55	100	200	250	125	25	10	**910**	76%	800	- 1,130
461	1,147	123												
770	1,661	258												
1,974	4,631	383	245	80	140	270	410	270	50	15	**1,480**	75%	1,330	- 1,780
461	1,020	92												
1,014	2,787	150	105	35	60	135	210	100	25	10	**680**	67%	600	- 870
1,337	2,964	308												
112	298	14												
248	653	71												
1,851	4,642	362	155	55	95	210	380	270	90	45	**1,300**	70%	1,120	- 1,570
284	607	58												
1,736	4,287	386	145	50	80	200	380	280	90	45	**1,270**	73%	1,100	- 1,500
460	1,402	94	60	17	30	65	90	50	10	8	**330**	72%	280	- 420
153	615	16	30	6	11	18	12	5	1	0	**83**	54%	70	- 110
558	1,577	163												
741	2,318	175	75	20	30	65	90	70	30	25	**405**	55%	345	- 530

* Unimpaired runoff in prior months based on measured flows

(7) Forecast point names based on USGS gage names. Stanislaus below Goodwin also known as inflow to New Melones, Tuolumne River below La Grange also known as inflow to Don Pedro, Merced River below Merced Falls also known as inflow to McClure.

APRIL 1, 2002 FORECASTS
APRIL-JULY UNIMPAIRED RUNOFF

HYDROLOGIC REGION and Watershed	Unimpaired Runoff in 1,000 Acre-Feet (1) HISTORICAL 50 Yr Avg (2)	Max of Record	Min of Record	FORECAST Apr-Jul Forecasts	Pct of Avg
NORTH COAST					
Trinity River					
Trinity River at Lewiston Lake	660	1,593	80	**630**	95%
Scott River					
Scott River near Fort Jones	200	400	30	**190**	95%
Klamath River					
Total inflow to Upper Klamath Lake (3)	515	758	280	**385**	75%
NORTH LAHONTAN					
Truckee River					
Lake Tahoe to Farad accretions	272	713	52	**220**	81%
Lake Tahoe Rise (assuming gates closed, in feet)	1.4	5.4	0.2	**1.0**	69%
Carson River					
West Fork Carson River at Woodfords	55	135	12	**45**	81%
East Fork Carson River near Gardnerville	190	407	43	**150**	79%
Walker River					
West Walker River below Little Walker, near Coleville	153	330	35	**120**	78%
East Walker River near Bridgeport	65	209	7	**40**	61%
SOUTH LAHONTAN					
Owens River					
Total tributary flow to Owens River (4)	235	579	96	**164**	70%

(1) See inside back cover for definition

(2) All 50 year averages are based on years 1951-2000 unless otherwise noted

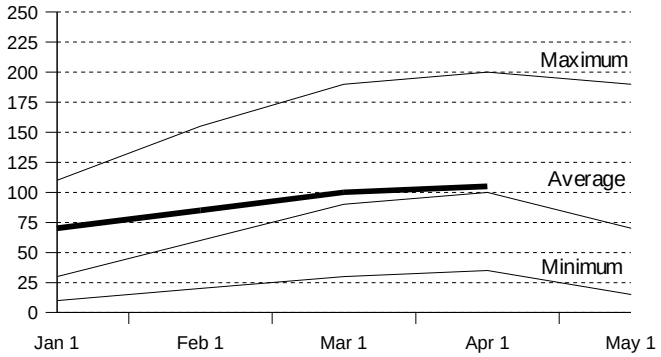
(3) Forecast by U.S. Natural Resources Conservation Service and National Weather Service California-Nevada River Forecast Center, April through September forecast, 30 year average based on years 1971-2000.

(4) Forecast by Department of Water and Power, City of Los Angeles, average based on years 1951-2000.

NORTH COAST REGION

Snowpack Accumulation

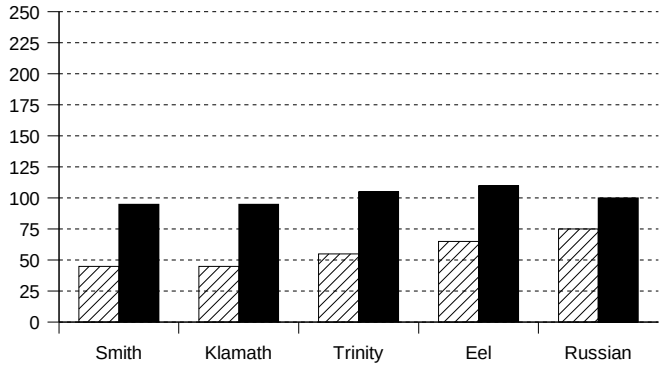
Water Content in % of April 1 Average



SNOWPACK− First of the month measurements made at 16 snow courses indicate an area wide snow water equivalent of 29.9 inches. This is 105 percent of the April 1 average. Last year at this time the pack was holding 19.7 inches of water.

Precipitation

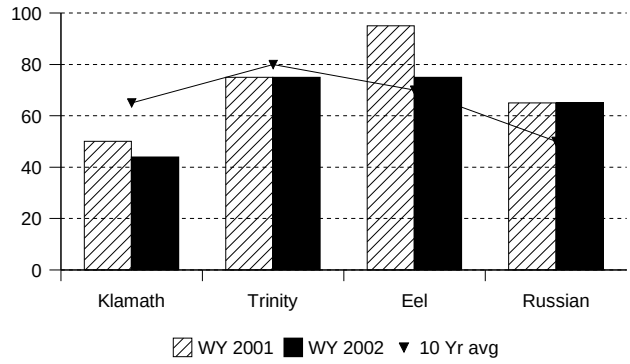
October 1 to date in % of Average



PRECIPITATION − Seasonal precipitation (October 1 through the end of last month) on this area was 100 percent of normal. Precipitation last month was about 60 percent of the monthly average. Seasonal precipitation at this time last year stood at 55 percent of normal.

Reservoir Storage

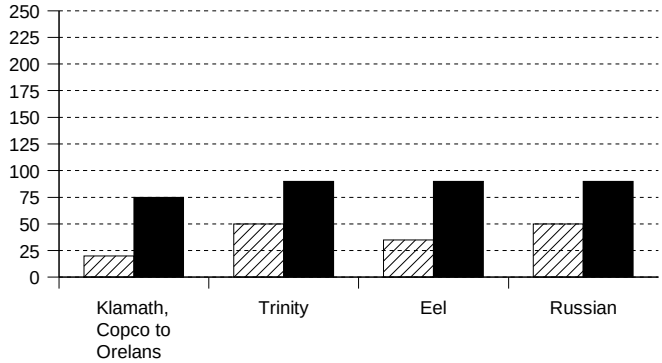
Contents of major reservoirs in % of capacity



RESERVOIR STORAGE− First of the month storage in 7 reservoirs was 2.3 million acre−feet which is 95 percent of average. About 75 percent of available capacity was being used. Storage in these reservoirs at this time last year was 95 percent of average.

Runoff

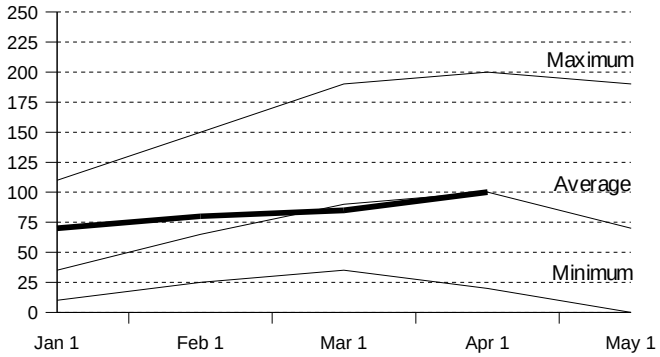
October 1 to date in % of average



RUNOFF −Seasonal runoff of streams draining the area totaled 8.5 million acre−feet which is 85 percent of the average for this period. Last year, runoff for the same period was 30 percent of average.

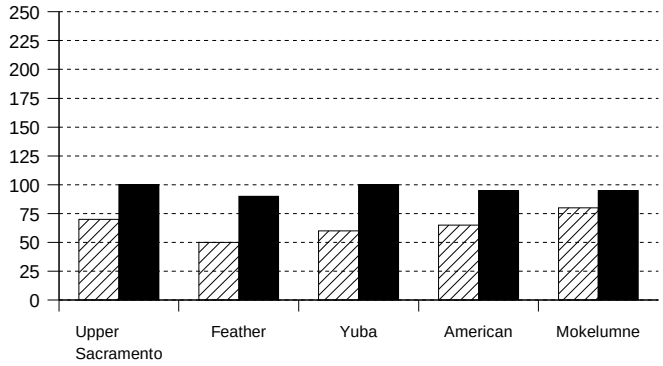
Snowpack Accumulation

Water Content in % of April 1 Average



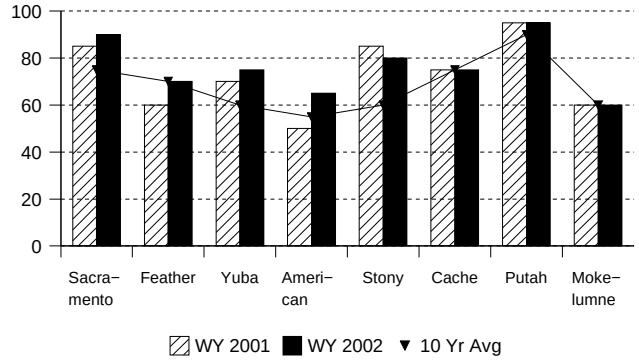
Precipitation

October 1 to date in % of Average



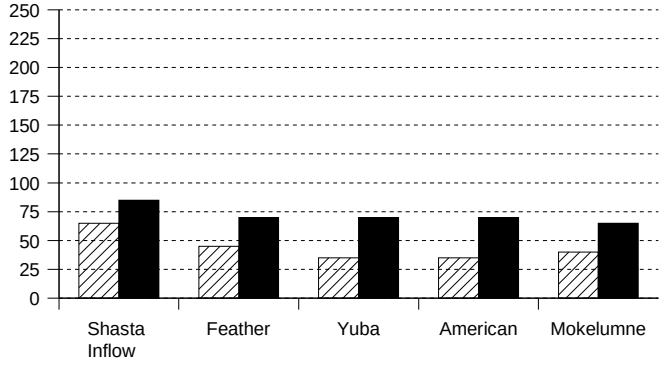
Reservoir Storage

Contents of major reservoirs in % of capacity



Runoff

October 1 to date in % of average



SACRAMENTO RIVER REGION

SNOWPACK− First of the month measurements made at 77 snow courses indicate an area wide snow water equivalent of 30.6 inches. This is 100 percent of the April 1 average. Last year at this time the pack was holding 18.0 inches of water.

PRECIPITATION − Seasonal precipitation (October 1 through the end of last month) on this area was 100 percent of normal. Precipitation last month was about 85 percent of the monthly average. Seasonal precipitation at this time last year stood at 70 percent of normal.

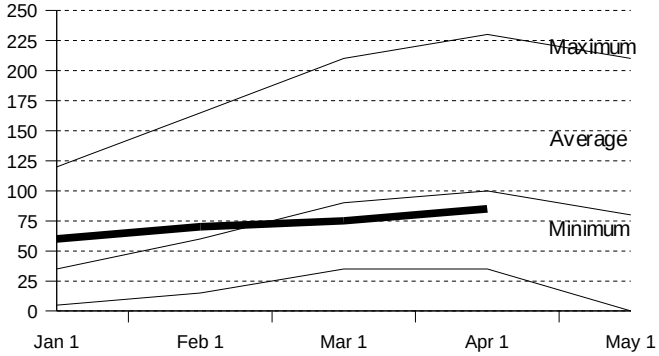
RESERVOIR STORAGE− First of the month storage in 43 reservoirs was 12.4 million acre−feet which is 100 percent of average. About 80percent of available capacity was being used. Storage in these reservoirs at this time last year was 95 percent of average.

RUNOFF − Seasonal runoff of streams draining the are totaled 9.3 million acre−feet which is 80 percent of average for this period. Last year, runoff for the same period was 55 percent of average.

The **Sacramento Region 40−30−30 Water Supply Index** is forecast to be 6.7 assuming median meteorological conditions for the remainder of the year. This classifies the year as "below normal" in the Sacramento Valley according to the State Water Resources Control Board.

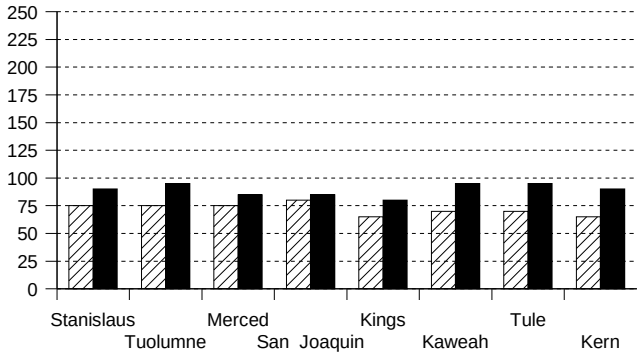
Snowpack Accumulation

Water Content in % of April 1 Average



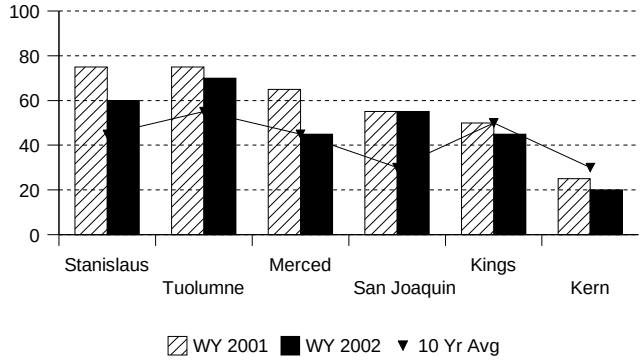
Precipitation

October 1 to date in % of Average



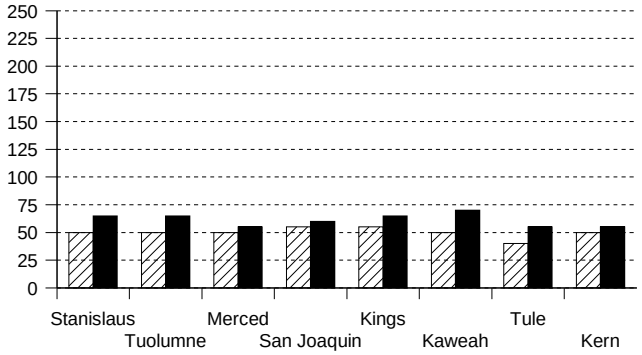
Reservoir Storage

Contents of major reservoirs in % of capacity



Runoff

October 1 to date in % of average



SAN JOAQUIN RIVER AND TULARE LAKE REGIONS

SNOWPACK− First of the month measurements made at 71 **San Joaquin Region** snow courses indicate an area wide snow water equivalent of 29.2 inches. This is 90 percent of the April 1 average. Last year at this time the pack was holding 21.2 inches of water.
At the same time 43 **Tulare Lake Region** snow courses indicated a basin−wide snow water equivalent of 20.3 inches which is 80 percent of the average for April 1. Last year at this time the basin was holding 15.7 inches of water.

PRECIPITATION − Seasonal precipitation (October 1 through the end of last month) on the **San Joaquin Region** was 90 percent of normal. Precipitation last month was about 85 percent of the monthly average. Seasonal precipitation at this time last year stood at 80 percent of normal.
Seasonal precipitation on the **Tulare Lake Region** was 85 percent of normal. Precipitation last month was about 85 percent of the monthly average. Seasonal precipitation at this time last year stood at 70 percent of normal.

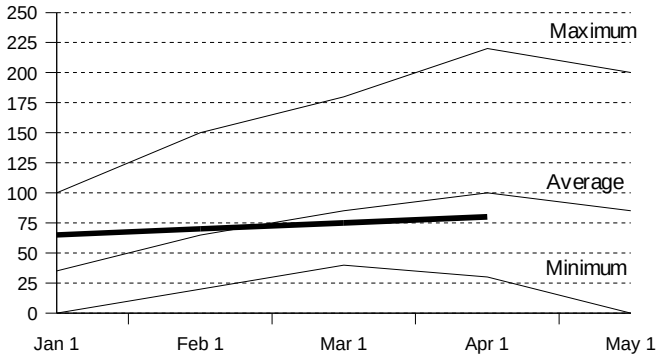
RESERVOIR STORAGE− First of the month storage in 34 **San Joaquin Region** reservoirs was 7.7 million acre−feet which is 105 percent of average. About 65 percent of available capacity was being used. Storage in these reservoirs at this time last year was 115 percent of average.
First of the month storage in 6 **Tulare Lake Region** reservoirs was 722 thousand acre−feet which is 80 percent of average and about 35 percent of available capacity. Storage in these reservoirs at this time last year was 90 percent of average.

RUNOFF− Seasonal runoff of streams draining the **San Joaquin Region** totaled 1.6 million acre−feet which is 65 percent of average for this period. Last year, runoff for the same period was 50 percent of average. Seasonal runoff of streams draining the **Tulare Lake Basin** totaled 556 thousand acre−feet which is 65 percent of average for this period. Last year runoff for this same period was 50 percent of average.

The **San Joaquin Region 60−20−20 Water Supply Index** is forecast to be 2.5 assuming median meteorological conditions. This classifies the year as "dry" in the San Joaquin Region according to the State Water Resources Control Board.

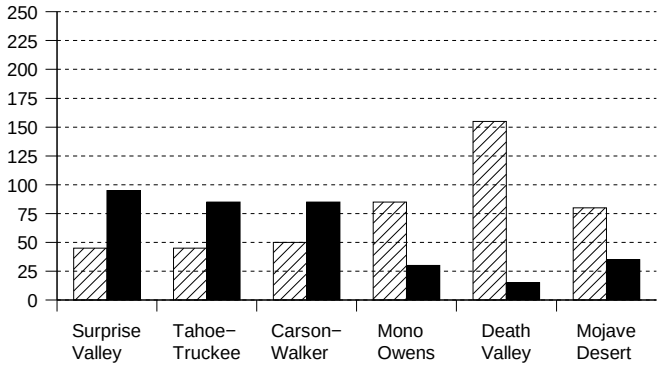
Snowpack Accumulation

Water Content in % of April 1 Average



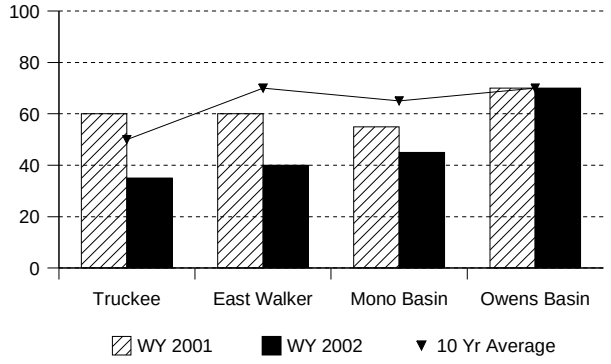
Precipitation

October 1 to date in % of Average



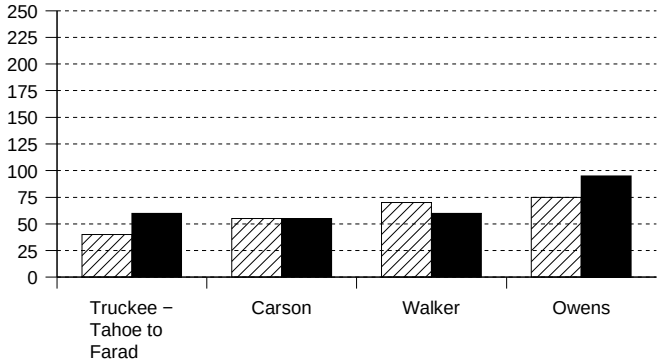
Reservoir Storage

Contents of major reservoirs in % of capacity



Runoff

October 1 to date in % of average



NORTH AND SOUTH LAHONTAN REGIONS

SNOWPACK− First of the month measurements made at 16 **North Lahontan snow** courses indicate an area wide snow water equivalent of 25.5 inches. This is 90 percent of the April 1 average. Last year at this time the pack was holding 14.6 inches of water. At the same time 21 **South Lahontan Region** snow courses indicated a basin−wide snow water equivalent of 16.6 inches which is 75 percent of the average for April 1. Last year at this time the basin was holding 15.8 inches of water.

PRECIPITATION − Seasonal precipitation (October 1 through the end of last month) on the **North Lahontan** was 90 percent of normal. Precipitation last month was about 100 percent of the monthly average. Seasonal precipitation at this time last year stood at 45 percent of normal.
Seasonal precipitation on the **South Lahontan** was 25 percent of normal. Precipitation last month was about 45 percent of the monthly average. Seasonal precipitation at this time last year stood at 105 percent of normal.

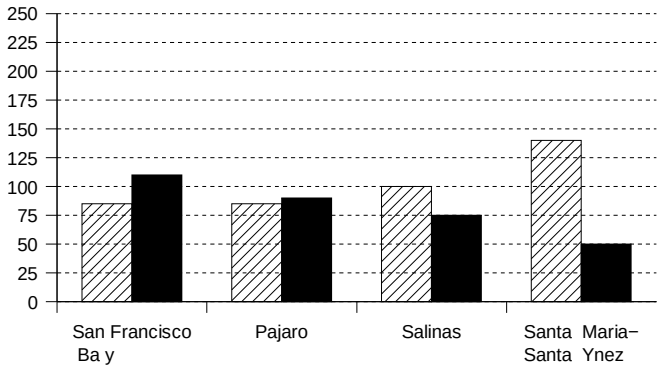
RESERVOIR STORAGE− First of the month storage in 5 **North Lahontan** reservoirs was 362 thousand acre−feet which is 60 percent of average. About 35 percent of available capacity was being used. Storage in these reservoirs at this time last year was 105 percent of average. Lake Tahoe was 1.4 feet above its natural rim on April 1.
First of the month storage in 8 **South Lahontan** reservoirs was 280 thousand acre−feet which is 105 percent of average and about 70 percent of available capacity. Storage in these reservoirs at this time last year was 110 percent of average.

RUNOFF− Seasonal runoff of streams draining the **North Lahontan Region** totaled 174 thousand acre−feet which is 60 percent of average for this period. Last year, runoff for the same period was 50 percent of average.

Seasonal runoff of the Owens River in the **South Lahontan** totaled 63 thousand acre−feet which is 95 percent of average for this period. Last year runoff for this same period was 75 percent of average.

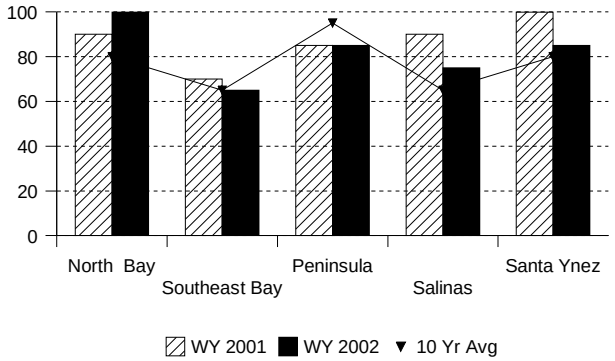
Precipitation

October 1 to date in % of Average



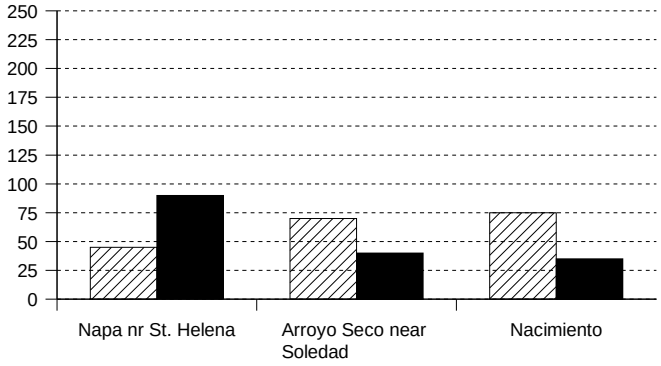
Reservoir Storage

Contents of major reservoirs in % of capacity



Runoff

October 1 to date in % of average



SAN FRANCISCO BAY AND CENTRAL COAST REGIONS

PRECIPITATION − Seasonal precipitation (October 1 through the end of last month) on the **San Francisco Bay Region** was 110 percent of normal. Precipitation last month was about 85 percent of the monthly average. Seasonal precipitation at this time last year stood at 85 percent of normal.

Seasonal precipitation on the **Central Coast Region** was 75 percent of normal. Precipitation last month was about 50 percent of the monthly average. Seasonal precipitation at this time last year stood at 110 percent of normal.

RESERVOIR STORAGE− First of the month storage in 18 **San Francisco Bay Region** reservoirs was 494 thousand acre−feet which is 95 percent of average. About 70 percent of available capacity was being used. Storage in these reservoirs at this time last year was 75 percent of average.

First of the month storage in 6 **Central Coast Region** reservoirs was 735 thousand acre−feet which is 105 percent of average and about 75 percent of available capacity. Storage in these reservoirs at this time last year was 90 percent of average.

RUNOFF− Seasonal runoff of the Napa River in the **San Francisco Bay Region** totaled 63 thousand acre−feet which is 90 percent of average for this period. Last year, runoff for the same period was 45 percent of average.

Seasonal runoff of streams draining the **Central Coast Region** totaled 106 thousand acre−feet which is 35 percent of average for this period. Last year runoff for this same period was 75 percent of average.

SOUTH COAST AND COLORADO RIVER REGIONS

PRECIPITATION − October through March (seasonal) precipitation on the **South Coast Region** is 30 percent of normal. March precipitation was 30 percent of the monthly average. Seasonal precipitation at this time last year was 65 percent of normal. Seasonal precipitation on the **Colorado River−Desert Region** is 5 percent of normal. March precipitation was 5 percent of the monthly average. Seasonal precipitation at this time last year stood at 180 percent of average.

RESERVOIR STORAGE − April 1 storage in 29 major **South Coast Region** reservoirs is 1.3 million acre−feet or 85 percent of average. About 65 percent of available capacity is being used. Storage in these reservoirs at this time last year was 90 percent of average.
On March 31 combined storage in Lakes Powell, Mead, Mohave and Havasu was about 38 million acre−feet or about 90 percent of average. About 70 percent of available capacity was in use. Last year at this time, these reservoirs were storing 105 percent of average.

RUNOFF − Seasonal runoff from selected **South Coast Region** streams totaled 3.5 thousand acre−feet which is 10 percent of average. Seasonal runoff from these streams last year was 30 percent of average.

COLORADO RIVER − The April −July inflow to Lake Powell is forecast to be 3 million acre−feet, which is 38 percent of average. The April 1 snowpack in the Colorado River basin above Lake Powell is 50 percent of average, highest in the Green at 75 percent and lowest in the San Juan at 20 percent.

CENTRAL VALLEY PROJECT

As of March 31, 2002 CVP storage was 9.3 million acre−feet which is the same as one year ago, and is approximately 115% of normal for that date.

The Bureau of Reclamation announced updated water allocations for the CVP contractors on March 15, 2002. Based on a conservative water supply forecast prepared from information available March 1, 2002, and a water year inflow into Shasta Reservoir of 4.8 million acre−feet, CVP water allocations were: Agricultural contractors North of Delta 100% and South of Delta 55%; Urban contractors North of Delta 100% and South of Delta 80%; Sacramento River water rights and San Joaquin Exchange Contractors 100%; Wildlife Refuges 100%; Friant Contractors will be 75 percent of Class 1 and 0 (zero) percent of Class 2. Updated allocations will be announced in Mid−April.

STATE WATER PROJECT

Total storage in the major SWP reservoirs was about 4.11 MAF on March 31, 2002, compared with 3.68 MAF at this time in 2001. On March 31 storage at Lake Oroville was about 2.41 MAF as compared to about 2.05 MAF last year.

The State's share of San Luis Reservoir storage at the end of March was 1.07 MAF, as compared to about 997 TAF at this time last year. This year's storage included approximately 42 TAF of water acquired by the Environmental Water Account.

The combined storage of SWP's southern reservoirs was about 625 TAF on March 31 as compared to 639 TAF at this time last year.

SWP water deliveries through March 2002 were about 513 TAF. This is a combination of project, transfer, and exchange waters. This was about 138 TAF more than the same time period in 2001.

Due to near average precipitation during the month the SWP allocation was increased on March 28 to 2.5 MAF, which represents 60% of State Water Contractor entitlement.

MAJOR WATER DISTRIBUTION PROJECTS

RESERVOIR STORAGE

(AVERAGES BASED ON 1951-20 OR PERIOD RECORD)

RESERVOIR	CAPACITY 1,000 AF	AVERAGE STORAGE 1,000 AF	STORAGE AT END OF March 2001 1,000 AF	2002 1,000 AF	PERCENT AVERAGE	PERCENT CAPACITY
STATE WATER PROJECT						
Lake Oroville	3,538	2,790	2,048	2,415	87%	68%
San Luis Reservoir (SWP)	1,062	984	997	1,078	110%	102%
Lake Del Valle	77	37	35	34	92%	45%
Lake Silverwood	73	66	72	72	109%	99%
Pyramid Lake	171	164	168	167	102%	98%
Castaic Lake	324	285	293	264	93%	82%
Perris Lake	132	118	106	122	103%	92%
CENTRAL VALLEY PROJECT						
Trinity Lake	2,448	1,961	1,882	1,857	95%	76%
Lake Shasta	4,552	3,705	3,956	4,136	112%	91%
Whiskeytown Lake	241	213	205	204	96%	85%
Folsom Lake	977	622	602	721	116%	74%
New Melones Reservoir	2,420	1,452	1,921	1,621	112%	67%
Millerton Lake	520	348	376	389	112%	75%
San Luis Reservoir (CVP)	971	870	981	950	109%	98%
COLORADO RIVER PROJECT						
Lake Mead	26,159	20,492	22,154	19,118	93%	73%
Lake Powell	25,002	19,064	18,865	16,927	89%	68%
Lake Mohave	1,810	1,679	1,711	1,709	102%	94%
Lake Havasu	619	556	585	590	106%	95%
EAST BAY MUNICIPAL UTILITY DISTRICT						
Pardee Res	198	181	181	181	100%	92%
Camanche Reservoir	417	252	268	272	108%	65%
East Bay (4 res.)	147	135	135	135	100%	91%
CITY AND COUNTY OF SAN FRANCISCO						
Hetch-Hetchy Reservoir	360	130	191	114	87%	32%
Cherry Lake	268	122	129	192	157%	72%
Lake Eleanor	26	12	10	7	60%	27%
Souty Bay/Peninsula (4 res.)	225	180	182	149	83%	66%
CITY OF LOS ANGELES (D.W.P.)						
Lake Crowley	183	128	142	138	108%	75%
Grant Lake	48	28	38	32	114%	67%
Other Aqueduct Storage (6 res.)	83	77	60	64	83%	77%

TELEMETERED SNOW WATER EQUIVALENTS

April 1, 2002

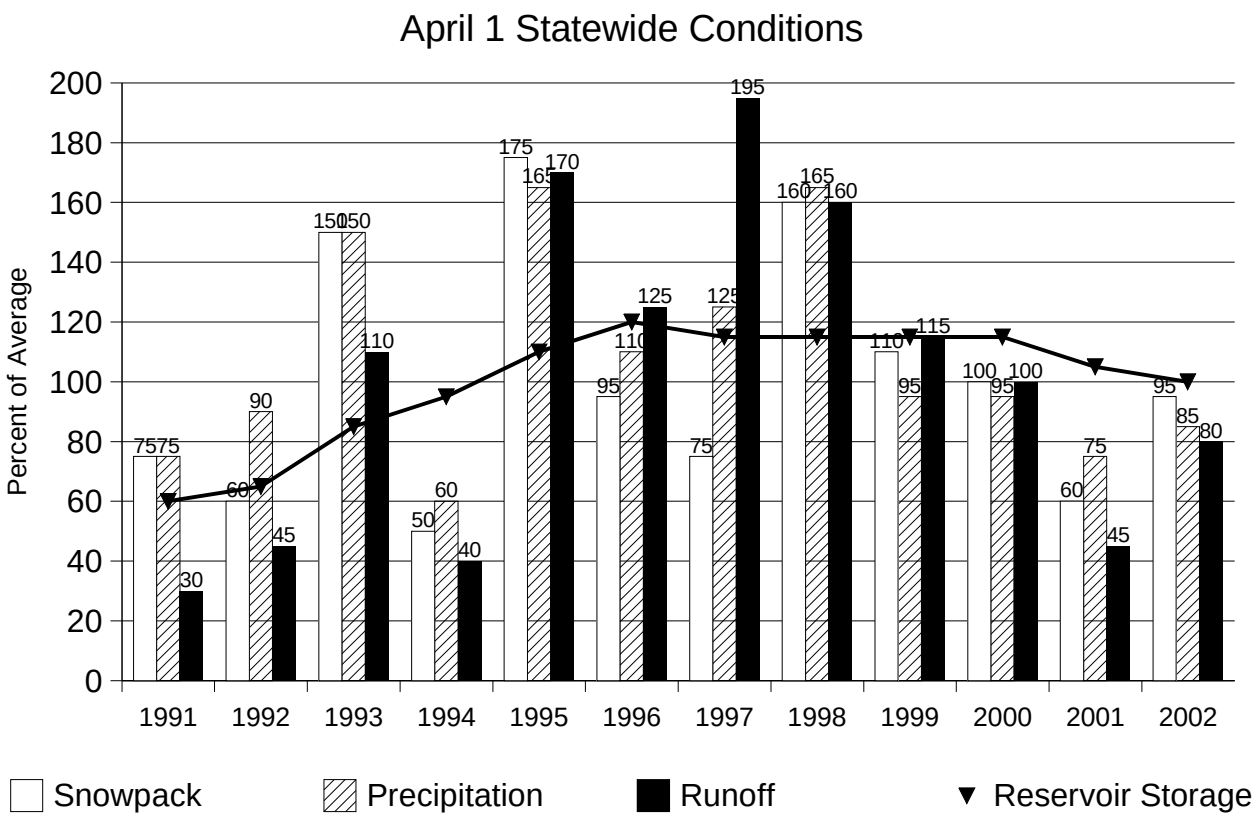
(AVERAGES BASED ON PERIOD RECORD)

BASIN NAME / STATION NAME	ELEV	APRIL 1 AVERAGE	INCHES OF WATER EQUIVALENT Apr 1	PERCENT OF AVERAGE	24 HRS PREVIOUS	1 WEEK PREVIOUS
TRINITY RIVER						
Peterson Flat	7150’	29.2	30.5	104.6	30.9	31.3
Red Rock Mountain	6700’	39.6	—	—	—	—
Bonanza King	6450’	40.5	33.6	83.0	33.8	34.2
Shimmy Lake	6400’	40.3	—	—	—	—
Middle Boulder 3	6200’	28.3	27.1	95.6	27.1	30.3
Highland Lakes	6030’	29.9	27.1	90.6	27.5	28.4
Scott Mountain	5900’	16.0	20.2	126.1	20.6	21.7
Mumbo Basin	5650’	22.4	—	—	—	—
Big Flat	5100’	15.8	23.2	147.0	23.7	25.1
SACRAMENTO RIVER						
Cedar Pass	7100’	18.1	19.2	106.1	19.4	20.6
Blacks Mountain	7050’	12.7	6.2	49.1	7.3	7.4
Sand Flat	6750’	42.4	32.5	76.7	32.9	34.9
Medicine Lake	6700’	32.6	28.4	87.1	29.0	30.7
Adin Mountain	6200’	13.6	11.6	85.3	12.3	12.0
Snow Mountain	5950’	27.0	33.4	123.6	34.0	35.8
Slate Creek	5700’	29.0	26.4	91.0	27.4	32.5
Stouts Meadow	5400’	36.0	18.7	52.0	19.6	21.5
FEATHER RIVER						
Kettle Rock	7300’	25.5	25.8	101.2	26.4	29.2
Grizzly Ridge	6900’	29.7	23.9	80.4	24.2	25.7
Pilot Peak	6800’	52.6	28.0	53.2	28.1	29.2
Gold Lake	6750’	36.5	37.6	102.9	37.6	36.8
Humbug	6500’	28.0	35.3	126.1	36.0	36.3
Rattlesnake	6100’	14.0	15.6	111.4	16.6	19.7
Bucks Lake	5750’	44.7	45.1	100.9	45.5	45.5
Four Trees	5150’	20.0	24.5	122.4	25.7	29.4
EEL RIVER						
Noel Spring	5100’	—	0.0	—	0.0	1.2
YUBA & AMERICAN RIVERS						
Lake Lois	8600’	39.5	—	—	—	—
Schneiders	8750’	34.5	45.9	133.1	47.1	48.6
Caples Lake	8000’	30.9	25.9	83.9	26.4	27.8
Alpha	7600’	35.9	31.8	88.6	32.4	33.8
Meadow Lake	7200’	55.5	57.7	104.0	58.0	59.2
Silver Lake	7100’	22.7	24.0	105.7	24.5	26.8
Central Sierra Snow Lab	6900’	33.6	30.5	90.8	30.8	33.9
Huysink	6600’	42.6	36.1	84.8	36.6	37.2
Van Vleck	6700’	35.9	38.7	107.8	39.1	41.7
Robbs Saddle	5900’	21.4	20.6	96.5	21.1	22.6
Greek Store	5600’	21.0	29.3	139.4	29.6	30.6
Blue Canyon	5280’	9.0	7.2	79.8	7.4	7.3
Robbs Powerhouse	5150’	5.2	9.9	190.4	10.7	13.9
MOKELUMNE & STANISLAUS RIVERS						
Deadman Creek	9250’	37.2	21.5	57.8	21.3	21.3
Highland Meadow	8700’	47.9	42.4	88.5	44.5	45.1
Gianelli Meadow	8400’	55.5	35.3	63.6	36.5	37.9
Lower Relief Valley	8100’	41.2	34.5	83.6	35.1	37.7
Blue Lakes	8000’	33.1	28.8	87.0	28.9	29.0
Mud Lake	7900’	44.9	50.0	111.4	50.3	53.0
Stanislaus Meadow	7750’	47.5	50.6	106.6	51.1	51.4
Bloods Creek	7200’	35.5	30.1	84.8	30.5	31.2
Black Springs	6500’	32.0	27.3	85.4	27.6	28.7
TUOLUMNE & MERCED RIVERS						
Tioga Pass Entrance	9945’	—	—	—	—	—
Dana Meadows	9800’	27.7	24.5	88.4	24.5	24.4
Slide Canyon	9200’	41.1	36.0	87.6	36.0	36.6
Lake Tenaya	8150’	33.1	27.9	84.3	28.5	30.5
Tuolumne Meadows	8600’	22.6	16.6	73.3	17.0	18.5
Horse Meadow	8400’	48.6	35.4	72.7	36.7	40.6
Ostrander Lake	8200’	34.8	28.1	80.7	28.1	28.7
Paradise Meadow	7650’	41.3	37.7	91.3	37.7	42.3
Gin Flat	7050’	34.2	22.6	66.0	23.2	23.9
Lower Kibbie Ridge	6700’	27.4	20.1	73.5	20.8	23.4

BASIN NAME		APRIL 1	INCHES OF WATER EQUIVALENT	PERCENT	24 HRS	1 WEEK
STATION NAME	ELEV	AVERAGE	Apr 1	OF AVERAGE	PREVIOUS	PREVIOUS
SAN JOAQUIN RIVER						
Volcanic Knob	10050’	30.1	24.2	80.3	24.2	24.8
Agnew Pass	9450’	32.3	22.5	69.8	22.5	22.5
Kaiser Point	9200’	37.8	25.7	68.1	26.3	26.6
Green Mountain	7900’	30.8	—	—	—	—
Tamarack Summit	7550’	30.5	19.4	63.5	20.1	21.9
Chilkoot Meadow	7150’	38.0	29.8	78.3	30.7	32.3
Huntington Lake	7000’	20.1	16.9	84.2	17.6	18.7
Graveyard Meadow	6900’	18.8	15.8	84.3	16.4	18.1
Poison Ridge	6900’	28.9	19.4	67.3	20.6	24.1
KINGS RIVER						
Bishop Pass	11200’	34.0	20.0	58.9	20.0	20.0
Charlotte Lake	10400’	27.5	34.5	125.5	34.6	35.5
State Lakes	10300’	29.0	29.6	102.1	30.0	31.0
Mitchell Meadow	9900’	32.9	31.4	95.4	31.4	31.5
Blackcap Basin	10300’	34.3	31.1	90.6	31.3	31.3
Upper Burnt Corral	9700’	34.6	31.2	90.2	31.2	31.9
West Woodchuck Meadow	9100’	32.8	28.7	87.5	29.2	30.0
Big Meadows	7600’	25.9	21.7	83.9	22.2	22.9
KAWEAH & TULE RIVERS						
Farewell Gap	9500’	34.5	36.9	107.0	38.1	36.9
Quaking Aspen	7200’	21.0	15.6	74.4	16.3	17.8
Giant Forest	6650’	10.0	4.6	46.0	5.7	9.4
KERN RIVER						
Upper Tyndall Creek	11400’	27.7	17.5	63.2	17.7	17.7
Crabtree Meadow	10700’	19.8	—	—	—	—
Chagoopa Plateau	10300’	21.8	14.8	67.9	14.8	14.8
Pascoes	9150’	24.9	28.0	112.4	28.5	30.7
Tunnel Guard Station	8900’	15.6	0.0	0.0	1.0	6.2
Wet Meadows	8950’	30.3	11.4	37.6	11.4	11.4
Casa Vieja Meadows	8300’	20.9	16.4	78.4	17.0	17.0
Beach Meadows	7650’	11.0	0.0	0.0	0.0	1.5
SURPRISE VALLEY AREA						
Dismal Swamp	7050’	29.2	32.2	110.3	33.0	34.4
TRUCKEE RIVER						
Mount Rose Ski Area	8900’	38.5	41.3	107.3	41.1	40.4
Independence Lake	8450’	41.4	45.1	108.9	44.8	44.5
Big Meadows	8700’	25.7	17.7	68.9	17.7	18.0
Squaw Valley	8200’	46.5	62.6	134.6	61.0	60.0
Independence Camp	7000’	21.8	18.9	86.7	19.5	19.7
Independence Creek	6500’	12.7	12.2	96.1	12.8	14.4
Truckee 2	6400’	14.3	16.0	111.9	16.5	18.0
LAKE TAHOE BASIN						
Heavenly Valley	8800’	28.1	20.1	71.5	20.6	21.4
Hagans Meadow	8000’	16.5	13.5	81.8	14.7	16.3
Marlette Lake	8000’	21.1	19.2	91.0	19.3	21.6
Echo Peak 5	7800’	39.5	41.7	105.6	43.2	44.1
Rubicon Peak 2	7500’	29.1	23.0	79.0	23.5	24.3
Tahoe City Cross	6750’	16.0	11.5	71.9	12.1	14.6
Ward Creek 3	6750’	39.4	38.3	97.2	38.5	40.0
Fallen Leaf Lake	6250’	7.0	0.0	0.0	0.0	3.1
CARSON RIVER						
Ebbetts Pass	8700’	38.8	34.9	89.9	34.8	34.2
Poison Flat	7900’	16.2	14.7	90.7	15.2	17.1
Monitor Pass	8350’	—	13.4	—	13.8	14.4
Spratt Creek	6150’	4.5	0.0	0.0	0.0	0.7
WALKER RIVER						
Leavitt Lake	9600’	—	53.2	—	53.2	53.1
Virginia Lakes	9300’	20.3	13.7	67.5	13.6	13.3
Lobdell Lake	9200’	17.3	12.2	70.5	12.5	12.9
Sonora Pass Bridge	8750’	26.0	22.5	86.5	22.3	22.1
Leavitt Meadows	7200’	8.0	4.0	50.0	4.2	5.4
OWENS RIVER/MONO LAKE						
Gem Pass	10750’	31.7	26.6	84.0	26.6	27.3
Sawmill	10200’	19.4	14.0	72.3	14.0	14.0
Cottonwood Lakes	10150’	11.6	4.0	34.5	4.4	5.2
Big Pine Creek	9800’	17.9	12.3	68.7	12.3	12.9
South Lake	9600’	16.0	11.5	71.6	12.1	13.3
Mammoth Pass	9300’	42.4	34.9	82.4	35.2	35.2
Rock Creek Lakes	10000’	14.0	11.3	80.9	11.3	11.1

NORMAL SNOWPACK ACCUMULATION EXPRESSED AS A PERCENT OF APRIL 1ST AVERAGE

AREA	JANUARY	FEBRUARY	MARCH	APRIL	MAY
Central Valley North	45%	70%	90%	100%	75%
Central Valley South	45%	65%	85%	100%	80%
North Coast	40%	60%	85%	100%	80%



SNOWLINES

Remember that this year's Western Snow Conference meeting is May 20−23 in Granby, Colorado. For further information regarding the Western Snow Conference contact Frank Gehrke at 916−574−2635 or gridley@water.ca.gov. Registration and program information is available on the web at http://snobear.colorado.edu/WSC/WSC.html.

Depicted on this month's cover is the Palisade Glacier in the Sierra. Photo and copyright by Randall Osterhuber.

Sharp eyed readers of last months bulletin noticed that some of the footnotes on page 4, 5 and 6 were truncated. Just a little gremlin from the change to electronic direct to press. The notes in their entirety and more are in this publication.

April 16, 2002 brings a Statewide Water Conditions Workshop to the Sacramento Convention Center, room 306 at 10am. Contact the Department of Water Resources for more information at http://wwwdwr.water.ca.gov or 916−653−9712.